URS

October 6, 2006

Ms. Terese VanDonsel
United States Environmental Protection Agency
Office of Superfund, Region 5
SR-6J
77 West Jackson
Chicago, IL 60604-3590

Subject: **Preliminary Design for Groundwater Interceptor Collection Trench**
Summary of Soil and Groundwater Data
Detrex Source Control Area – Fields Brook Superfund Site
Detrex Corporation, Ashtabula, Ohio
Docket No. V-W-98-C-450

Dear Ms. VanDonsel:

On behalf of Detrex Corporation (Detrex), URS Corporation (URS) is submitting the following information for your review.

I. Scope of Work / Preliminary Design for Groundwater Interceptor Trench Installation

This document is an Invitation for Bid (IFB) that Detrex will be sending to several contractors for review. The document also describes the project objectives and provides a scope of services that provides specifications for the preliminary design of the proposed interceptor trench. **Figures 1 through 3**, of the IFB, provides details of the location, cross-section along the alignment and construction details of the groundwater interceptor trench.

II. Data Assessment Report / Summary Tables of Soil and Groundwater Results: Groundwater Interceptor Trench Area

The data assessment report and summary tables provided describe analytical results from the soil and groundwater sampling completed in the area proposed for the Groundwater Interceptor Trench (Locations IT-0601 through IT-0615 [see **Figure 1**]). As shown in the attached summary tables there were no detections of volatile organic compounds (VOCs) in any groundwater samples collected (IT-0601,-0603, -0605, -0607, -0609,-0611,-0613, and -0615 [see **Tables 2-1 and 2-2**]). Per the e-mail, I sent to you on September 22, 2006, we did not collect samples for analysis of semi-volatile organic compounds (SVOCs) due to low water yield from wells. Based on this data, we are requesting that SVOCs samples not be collected.

There were a few very low ppb concentrations of VOCs detected in the subsurface soil. Based on the completed data validation, acetone, methylene chloride and bis (2-ethylhexyl) phthalate were considered to be either common laboratory contaminants or from sources external to the samples. The laboratory trip blank detected trichloroethene, which resulted in

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several of the low ppb concentrations to be reported as non-detect (U) values. Only one soil sample reported a detection of trichloroethene (87 µg/kg at sample location IT-0607 (6-8 feet)), which could be attributable to a source external to the sample.

At this time, Detrex is submitting the IFB to contractors to evaluate costs and consider work schedules for the completion of the trench installation this Fall. We are requesting that U.S. EPA review this information in a timely fashion so that any comments that U.S. EPA has can be incorporated into the final design. On Thursday, October 5, 2006, your voice mail to me referenced design considerations to address potential pathways through sand layers. As noted in the IFB, the interceptor trench extends from 3 feet into the till to ground surface, with a granular backfill to be installed to approximately 4 feet below ground surface. This depth and thickness of granular backfill is sufficient to intercept potential groundwater flow from sand/silt lenses observed during drilling the eastern portion of the trench (refer to boring logs IT-609 to IT-614). At this time, we would like to schedule a conference call the week of October 9, 2006 to discuss these issues, following your receipt and review of this preliminary design information.

If you have any questions regarding this submittal or would like to schedule a conference call, please do not hesitate to contact either Tom Steib or me.

Sincerely,

URS Corporation

Martin L. Schmidt, Ph.D.
Vice President /
Director of Environmental Remediation

MLS/kmc
Enclosure

cc: R. Currie – Detrex Corporation
T. Steib – Detrex Corporation
T. Doll - Detrex Corporation
T. Johnson – USEPA, Las Vegas
R. Williams – Ohio EPA
D. Gray – URS
F. Coll – URS

Scope of Work / Preliminary Design
for Groundwater Interceptor Trench Installation

URS

URS Corporation
1375 Euclid Avenue, Suite 600
Cleveland, OH 44115-1808

ADDRESS REPLY
To the Attention of:

Mr. Martin Schmidt
URS Corporation
1375 Euclid Avenue, Suite 600
Cleveland, OH 44115-1808
Phone: (216) 622-2432 (direct)
Fax: (216) 622-2428
E-mail: martin_schmidt@urscorp.com

Mr. Tom Steib
Detrex Corporation
1100 North State Road
Ashtabula, OH 44004
Phone: (440) 997-6131
Fax: (440) 992-2904
E-mail: tsteib@suite224.net

URS Project Number: 13811443 (Interceptor Trench)

DATE: October 5, 2006

REQUEST FOR QUOTATION **VIA FAX**

URS is requesting your best time and materials pricing for the work listed below and further described in the attached Scope of Work not later than COB on **October 20, 2006.**

Detrex Corporation
110 North State Road
Ashtabula, OH
Groundwater Interceptor Trench Installation

THIS IS NOT AN ORDER

You are requested to submit your best Time and Materials (T&M) Price Quotation VALID FOR SIXTY (60) DAYS FROM THE DATE INDICATED HEREIN FOR SUBMITTAL OF QUOTATIONS for the purposes of providing for the construction and installation of a groundwater interceptor trench at the Detrex Corporation (Detrex) Site under a Detrex subcontract in accordance with the specifications, drawings, forms, and terms and conditions listed below and in the attached to this Request for Quotation (RFQ).

SCOPE OF WORK:

The selected Contractor shall provide all labor, materials, equipment and incidentals as needed to provide Detrex with the services outlined in the attached specification (IFB – Scope of Work). URS will be providing construction oversight services on behalf of Detrex.

SCHEDULE

Detrex would like to initiate the outlined work as soon as possible following the receipt of approval from the United States Environmental Protection Agency (USEPA). Based on discussions with the USEPA this work is contemplated to begin in mid-November 2006. The Contractor will be required to note availability to commence on or about this date or propose alternate starting dates.

ATTACHED SPECIFICATIONS, DRAWINGS, FORMS AND SUBCONTRACT FORMAT

Drawings/Forms/Revisions

Specification No.	Date	Title
RFQ / IFB	10/4/2006	Request for Quotation / Invitation for Bid Document
Scope of Work	10/4/2006	Groundwater Interceptor Trench Installation SOW Document
Figures	10/4/2006	Site Location Map, Site Plan and Interceptor Trench Details
Attachment 1	10/4/2006	Bid / Cost Estimate Form
Attachment 2	10/4/2006	Contract Items – Terms and Conditions

WAGE DETERMINATION

Davis-Bacon or state prevailing wages have not been determine and may or may not be required for this project.

QUOTATION SUBMITTAL

THE BIDDERS QUOTATION MUST BE SUBMITTED IN ORIGINAL AND MAILED OR DELIVERED IN SUFFICIENT TIME SO AS TO ARRIVE THE ADDRESS BELOW NOT LATER THAN THE CLOSE OF BUSINESS (COB) ON FRIDAY, October 20, 2006 AND SHALL BE ADDRESSED AS FOLLOWS:

URS Corporation
1375 Euclid Avenue, Suite 600
Cleveland, OH 44115-1808
Attention: Mr. Martin Schmidt

Detrex Corporation
1100 North State Road
Ashtabula, OH 44004
Attn: Mr. Tom Steib

NOTE: THIS SUBCONTRACT SHALL BE AWARDED FOLLOWING REVIEW BY DETREX AND URS ON THE BASIS OF SCHEDULING AVAILABILITY, COST, QUALIFICATIONS AND COMPLETENESS OF QUOTATION.

Telephone: (216) 622-2423
FAX: (216) 622-2428
E-mail: martin_schmidt@urscorp.com

**********A FAXED QUOTE IS ACCEPTABLE WITH A HARD COPY IN THE MAIL**********

INVITATION FOR BID (IFB)
SCOPE OF WORK
DETREX CORPORATION SITE – ASHTABULA, OH
GROUNDWATER INTERCEPTOR TRENCH INSTALLATION
URS PROJECT NUMBER - 13811443

I. PROJECT DESCRIPTION

URS Corporation (URS), on behalf of Detrex Corporation (Detrex) and with the approval of the United States Environmental Protection Agency (USEPA), has been requested to implement the installation of a groundwater interceptor trench at the Detrex Site (Site), located at 1100 North State Road in Ashtabula, OH. The Site is an active chemical manufacturing Site. The area in which the groundwater interceptor trench is to be installed is located outside of the active manufacturing facilities in the southern portion of the property. Access to the groundwater interceptor trench location is uninhibited by daily Site operations.

You are invited to submit a Bid to provide construction and installation services as specified in the Scope of Work (SOW), provided herein. The work shall be performed by the selected contractor (Contractor) under the terms and conditions of the attached subcontract agreement with Detrex. Please include you federal identification number on the Bid Form. The SOW is provided in the following sections and the Bid Form is included as Attachment 1 to this IFB.

The groundwater interceptor trench requiring construction and installation is located along the southern boundary of the Site. A Site plan and the location of the groundwater interceptor trench is shown in Figure 1.

The SOW includes the installation of a groundwater interceptor trench, two (2) groundwater collection sumps, an associated force main to direct the collected water to an existing discharge point, all associated electrical work, and Site restoration activities following the completion of the groundwater interceptor trench installation. Additional construction details are provided in Figures 2 and 3. The groundwater interceptor trench is intended to operate continuously based on level control in the two (2) sumps. Water collected by the groundwater interceptor trench within the two (2) sumps will subsequently be directed, via a 2-inch force main, to a discharge point located at the existing catch basin for the Sedimentation Pond (see Figure 2). All piping and electrical services will be place underground to eliminate the need for overhead lines and to prevent freezing. URS requests that the Contractor evaluate the pump requirements for the collection sumps associated with transmitting the water through the force main to the Sedimentation Pond catch basin. Additionally URS requests that the contractor identify and specify level control equipment to provide for the automated removal of water from the groundwater interceptor trench collection sumps. Water levels in the collection sumps should be maintained no more than 5 feet above the invert elevation of the collection sumps.

II. SCOPE OF SERVICES

Within the requested scope of services for this project, the following services are to be provided to URS:

The project tasks include the following:

- Mobilization and Demobilization - Equipment and personnel to/from the Site;
- Interceptor Trench Dewatering - Based on recent investigation data dewatering during construction may not be required, but the contractor is requested to provide this service as a line item cost. Anticipated groundwater flow rates into the open excavation of the trench are not anticipated to exceed 1 gallon per minute;
- Erosion Control – Contractor is required to provide erosion control downgradient of the work area to mitigate silt and soil runoff during the period of construction;

- Clearing and Grubbing – During the completion of recent investigative activities clearing and grubbing was completed in the proposed area of the groundwater interceptor trench. At some locations temporary monitoring wells were installed (see Figure 1 & 2). It is anticipated that additional clearing and grubbing (~20 - 30 feet in width along the trench alignment) may be required to provide for an adequate work area while providing for the maintenance of the newly installed monitoring well locations. The estimated area is approximately 1 – 1.5 acres;
- Groundwater Interceptor Trench Excavation – Installation of approximately 1400 lineal feet of a nominal 4-foot wide trench, averaging approximately 15 feet in depth. The trench will be excavated approximately 3 feet into the underlying glacial till (see Figure 2). The groundwater collection pipe shall be constructed of 6-inch HDPE material or equivalent and wrapped with an appropriate filter fabric. The trench will be backfilled to approximately 4 feet below grade with crushed limestone or other appropriate aggregate and covered from approximately 4 feet below grade to the surface using existing soils from the excavation. All excavated soils will be stockpiled in the work area for replacement into the completed trench as cover material or for redeployment as part of site restoration activities. The trench will be installed in two (2) segments, each incorporating a collection sump as shown in Figures 1 & 2 (details in Figure 3). Due to the presence of an existing 6-inch force main, the two trench segments have been designed for installation in a staggered orientation, in order to provide for full hydraulic containment coverage along the entire length (~1400 ft) of the trench;
- Groundwater Interceptor Trench Collection Sumps – As part of the trench construction and installation activities, two (2) 24-inch diameter sumps will be required to collect groundwater and transmit the water to a discharge point located at a catch basin in the current Sedimentation Pond. The locations and details of the sumps are shown in Figures 2 & 3. The contractor is required to specify the material of construction for the sumps (i.e. HDPE or concrete), size/rating of the sump pumps, and level control equipment required to maintain the specified water levels in the collection sumps;
- Force Main Installation – A 2-inch force main will be installed from each of the collection sumps (see Figure 2) to transmit the recovered groundwater to a catch basin associated with the existing Sedimentation Pond (see Figures 2 & 3). The force main shall be located at sufficient depth below grade to prevent freezing;
- Electrical Work – The Contractor will be required to provide all necessary electrical work required to provide power to the groundwater collection sumps and level control equipment. All electrical service is to meet required equipment specifications and local codes. Electrical service presently available from existing pump station is available and likely sufficient for the two (2) additional pumps and controls, Contractor shall coordinate with Site personnel to verify service and applicability;
- Waste Disposal – URS has completed a soil and groundwater investigation along the proposed alignment of the collection trench and has determined that all groundwater is non-detect for volatile organic constituents and the majority of the soil sample were also non-detect. The few occurrences of soil contamination are limited in areal extent with detected concentrations less than (<) 87 µg/kg. As a result, URS does not anticipate any significant health and safety issues associated with the completion of the trench installation, based on the observed soil and groundwater quality conditions. However, a small quantity of soils may contain contaminants that will require the material to be disposed of as either a non-hazardous or hazardous waste. The potential volume of this type of material is estimated to be no more than 50 tons. The contractor will be required to segregate, load out, and arrange for the disposal of this material at a facility selected by Detrex. This task is requested as a line item as it is possible that no materials requiring off-site disposal will be encountered during the trench installation;
- Site Restoration – Following the completion of construction activities the Contractor will be responsible for site restoration activities, including regrading, seeding, and general housekeeping activities. The Contractor should work in a manner that maintains a clean working environment and proper housekeeping practices should be employed; and

- Contractor will also be required to obtain all necessary work permits, obtain all required inspections and approval of the installed and completed services, per local requirements.

Safety is of the utmost importance to both Detrex and URS; therefore, the Contractor shall be required to employ all applicable and appropriate safety measures for at the Site (40hr HAZWOPER trained personnel). The Contractor's safety record and performance will be evaluated as part of the bid award process. Additionally, the successful bidder shall submit a Health and Safety Plan (HASP) for review prior to the initiation of field activities.

II. CLOSING

The bid to perform work the requested service shall consist of a Time and Materials (T&M) costs to complete the services, as indicated herein and on the Bid Form. The pricing shall include all of the selected Contractor's costs for labor, overhead and profit, equipment, travel and living, subcontractors and any other labor costs necessary to perform and complete the Scope. Materials will be billed as indicated on the Bid Form.

If desired by the contractor, URS will arrange for a site visit and schedule a time for this visit at the Site. Interested contractors should contact Martin Schmidt, of URS, to request a site visit.

Bids will be received no later than close of business (COB) Friday, October 20, 2006 at URS's Cleveland Office to the attention of Mr. Martin Schmidt, Project Manager, at the following address:

Mr. Martin Schmidt
URS Corporation
1375 Euclid Avenue, Suite 600
Cleveland, OH 44115-1808

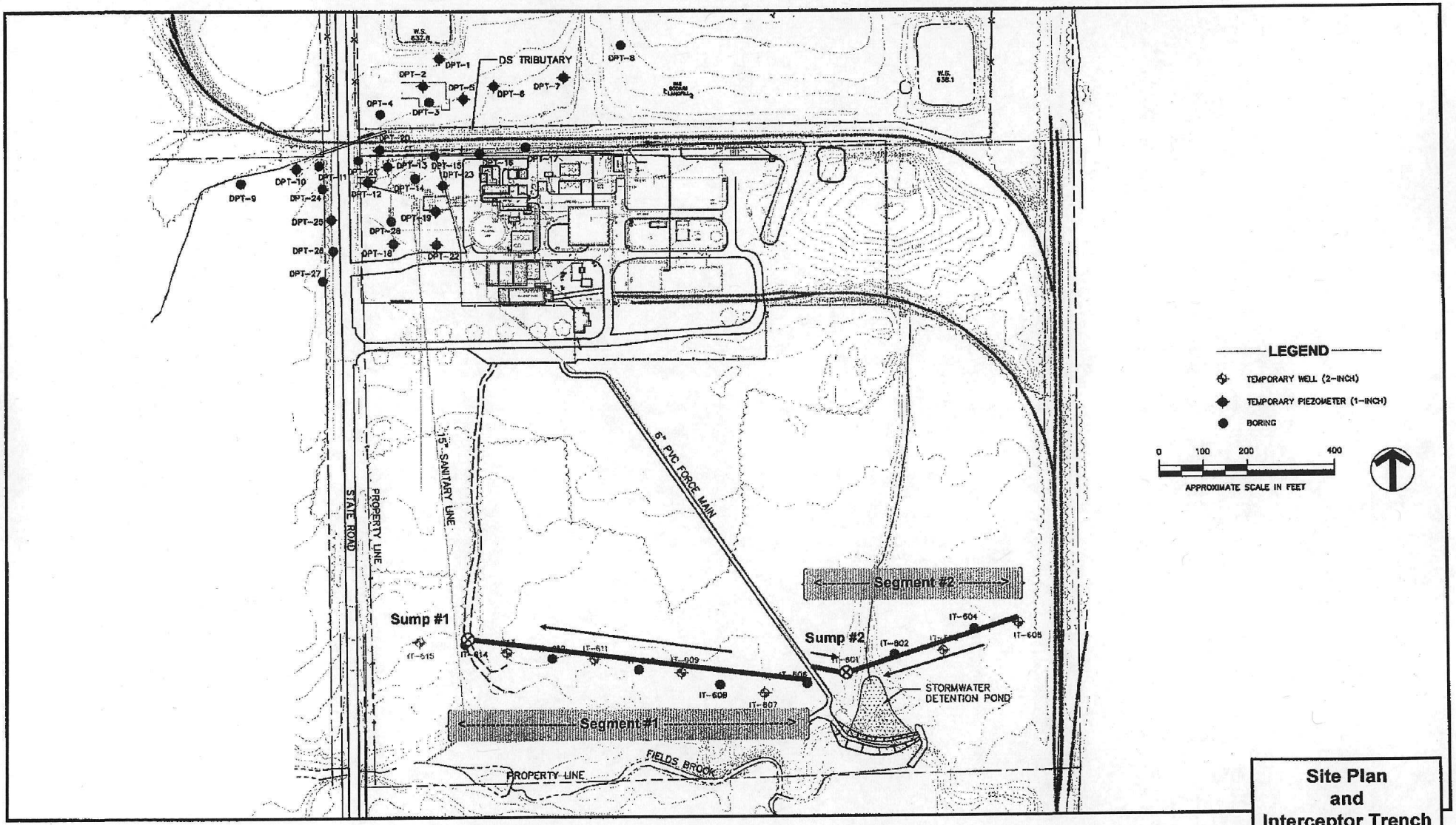
Mr. Tom Steib
Detrex Corporation
1100 North State Road
Ashtabula, OH 44004

All costs will be entered on the attached Bid Form. Facsimile copies will be accepted provided signed original copies are postmarked no later than October 20, 2006. The facsimile number for the URS Cleveland Office is (216) 622-2428. Work will not be officially awarded to any subcontractor until the receipt and execution of a subcontract agreement (attached), mutually agreeable to both parties, is in place.

All bids will be evaluated by Detrex and URS, and the subcontract will be awarded based on, but not limited to, the following criteria: price, conformance with the project requirements and specifications, availability, schedule, business classification, completeness of quotation, and other information determined to be relevant to the award. Detrex and URS may choose to make no award in response to this solicitation. Verbal notification of intent to award is anticipated to be on or about October 27, 2006. Site work is tentatively planned to be initiated in mid-November 2006, pending USEPA approval and execution of the subcontract. Attachment 2 presents a copy of the contract terms and conditions. Please indicate your availability to begin the work on these dates in your submittal and list proposed alternate dates, if necessary.

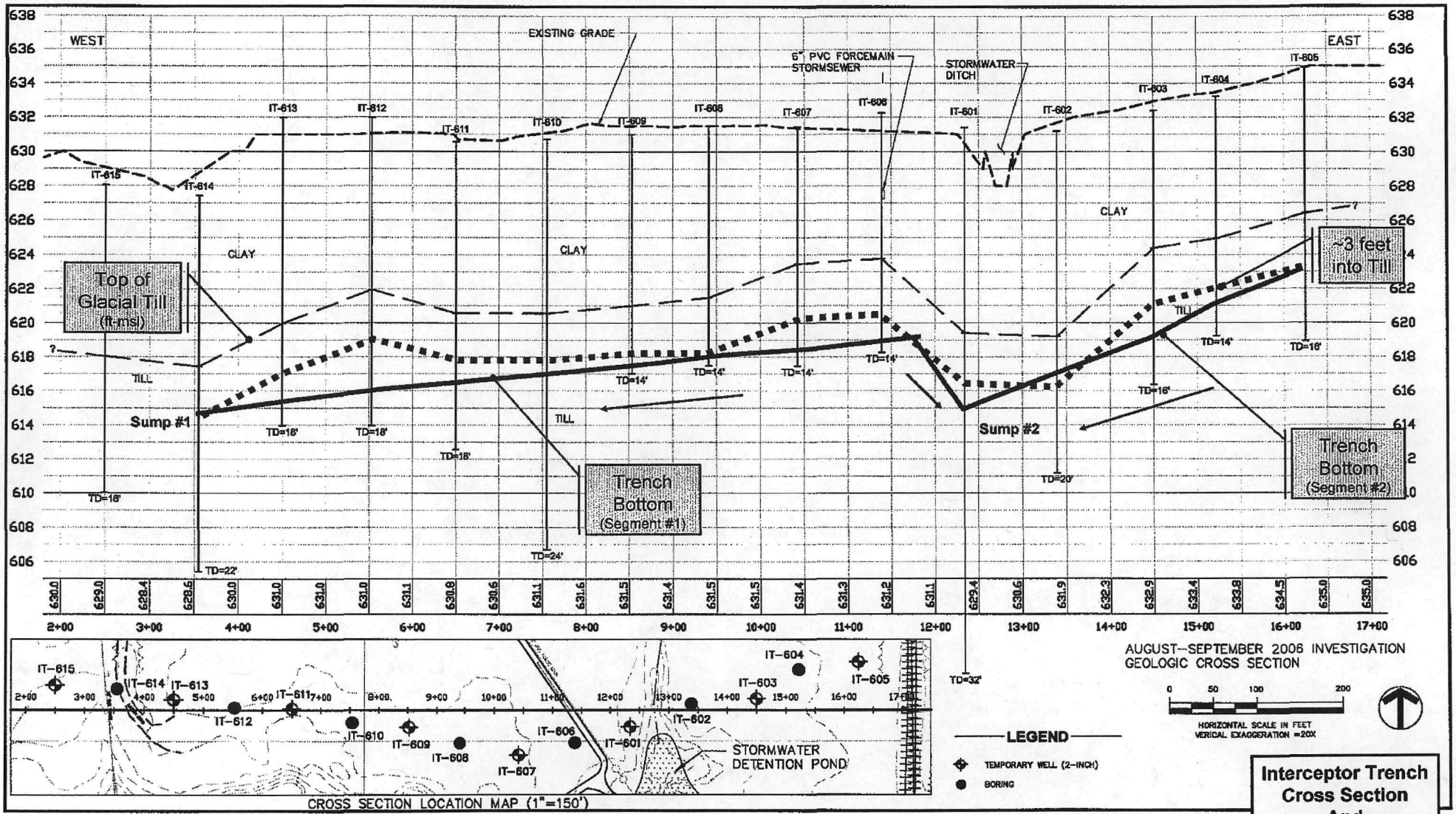
During the bidding process, direct all questions to either Martin Schmidt either through phone or email at (216) 622-2423 or martin_schmidt@urscorp.com, or Doug Gray either through phone or email at (412) 503-4671 or doug_gray@urscorp.com.

FIGURES



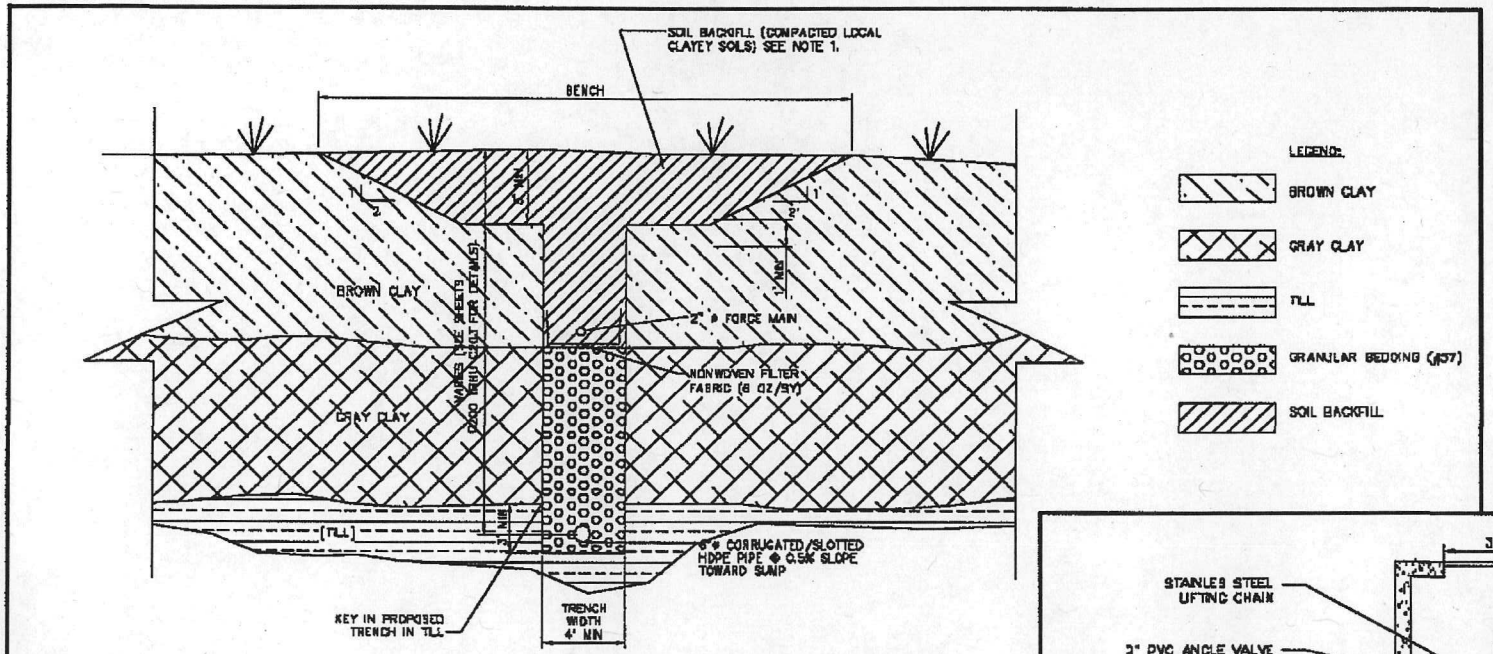
Site Plan and Interceptor Trench Location Map

Figure 1

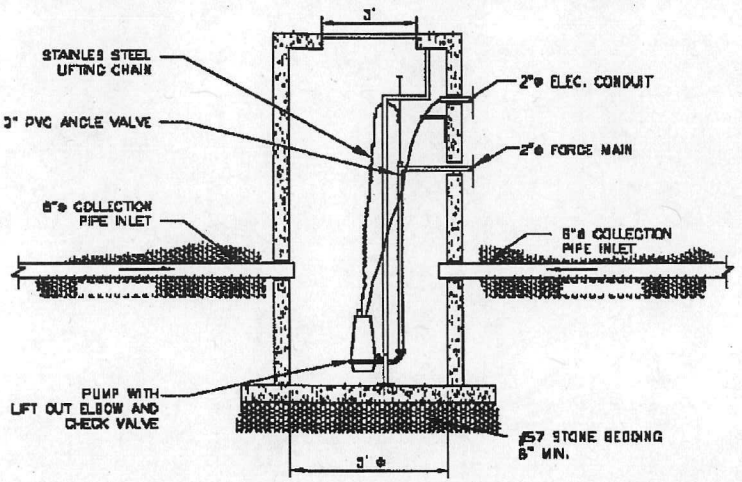


Interceptor Trench Cross Section And Detail Map

Figure 2



TYPICAL TRENCH CROSS SECTION



TYPICAL SUMP DETAIL

NOT TO SCALE

Interceptor Trench Construction Details Schematic

Figure 3

URS

October 5, 2006

ATTACHMENT 1

BID FORM

Bid Sheet and Cost Estimate
Groundwater Collection/Interceptor Trench
Detrex Corporation
1100 North State Road
Ashtabula, Ohio

Bid Item	Description	Units[1]	Estimated Quantity	Unit Cost	Total Cost
	General Contract Items				
1	Mobilization / Demobilization [2]	LS	1		$ -
2	Dewatering [3]	LS	1		$ -
3	Erosion control	LS	1		$ -
4	Clearing/Grubbing [4]	AC	1.5		$ -
5	Excavation [5]	CY			$ -
6	Backfill using on-site soils [6]	CY			$ -
7	Stone bedding [7]	T			$ -
8	6" dia. HDPE pipe [8]	LF			$ -
9	2" dia force main [8]	LF			$ -
10	6 oz filter fabric	SY			$ -
11	Concrete or HDPE sumps(Specify), with pumps	EA	2		$ -
12	Electrical work [9]	Allowance	1		$ -
13	Off-site soil disposal [10]	T	100		$ -
14	Site restoration (seeding, grading, etc...)	AC	1.5		$ -
				Bid/Cost Estimate	$ -
				% Contingency (Please Specify)	$ -
				Total Bid/Cost Estimate	$ -

Notes/ Assumptions:

1) *Guide to abbreviations:*
   EA = each; LF = linear feet; LS = lump sum; AC = acre; SF = square feet; CY = cubic yards; T = tons; T&M = time and materials.
2) Assume trackhoe, dozer, vacuum truck, water truck, dump truck(s), compactor.
3) All water pumped during excavation shall be conveyed by vacuum truck or trash pump directly to the Detrex Sewer System.
4) Clearing by brush hog, chipper or dozer and all materials to remain on site.
5) Excavate bench with dozer, trench with excavator. Assume all soil to be clean and to be used to recompact over stone. Additional soil to be stockpiled on site immediately adjacent to excavation and seeded.
6) Backfill in trench to be placed in 12-inch lift and compacted with trackhoe bucket. When possible (above the trench) backfill is to be compacted with sheepsfoot compactor, 8-inch lifts, 4 overlapping passes.
7) Assume stone to be crushed limestone.
8) HDPE is specified, however PVC piping is possible depending on compatibility.
9) Assumes electrical service from Detrex pump station is sufficient to power two additional pumps.
10) Structural fill for pond area to be that otherwise unused portion removed from trenching activities other than in the pond area.
11) Assume that 100 tons of soil removed from the pond area of trench will be disposed offsite as a hazardous waste.
12) Construction quality oversight, including logging the entire upgradient trench wall surface and final report on activities, is strongly recommended.

URS

October 5, 2006

ATTACHMENT 2

CONTRACT TERMS AND CONDITIONS

Data Assessment Report / Summary Tables of Soil and Groundwater Results: Groundwater Interceptor Trench

Data Assessment Report
Detrex Corporation
Proposed Interceptor Trench Soil and Groundwater Samples

Reviewer: P. Schuler
Date: October 5, 2006

Fifteen (15) soil samples, eight (8) groundwater samples, and two (2) trip blanks were collected at the Detrex Corporation Site from August 24 to September 22, 2006. The samples were submitted to Firstechnology, Inc. in Cleveland, Ohio for analysis of the parameters listed below in Table 1.

Table 1
Sample and Analysis Summary

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses[1]	
				VOC	SVOC
91263	IT-0603 (8-10)	8/25/2006	Soil	X	X
91264	IT-0602 (18-20)	8/25/2006	Soil	X	X
91265	IT-0601 (14-16)	8/24/2006	Soil	X	X
91266	TB0825	–	Trip Blank	X	
91675	IT-0604 (6-8)	8/28/2006	Soil	X	X
91676	IT-0605 (8-10)	8/28/2006	Soil	X	X
91677	IT-0606 (6-8)	8/28/2006	Soil	X	X
91678	IT-0607 (6-8)	8/29/2006	Soil	X	X
91679	IT-0608 (8-10)	8/29/2006	Soil	X	X
91680	IT-0609 (8-10)	8/30/2006	Soil	X	X
91681	IT-0610 (8-10)	8/30/2006	Soil	X	X
91682	IT-0611 (10-12)	8/30/2006	Soil	X	X
91683	IT-0612 (14-16)	8/31/2006	Soil	X	X
91684	IT-0613 (8-10)	8/31/2006	Soil	X	X
91685	IT-0614 (10-12)	8/31/2006	Soil	X	X
91686	IT-0615 (10-12)	8/31/2006	Soil	X	X
91692	TB0905	–	Trip Blank	X	
92339	IT-0601	9/22/2006	Groundwater	X	
92340	IT-0603	9/22/2006	Groundwater	X	
92341	IT-0605	9/22/2006	Groundwater	X	
92342	IT-0607	9/22/2006	Groundwater	X	
92343	IT-0609	9/19/2006	Groundwater	X	
92344	IT-0611	9/22/2006	Groundwater	X	
92345	IT-0613	9/19/2006	Groundwater	X	
92346	IT-0615	9/19/2006	Groundwater	X	

(1) VOC = Volatile Organic Compounds [SW-846 Method 8260A]
SVOC = Semivolatile Organic Compounds [SW-846 Method 8270B]

A standard review for analytical data quality was performed by URS Corporation (URS) for the above referenced samples. A standard review includes assessment of supporting quality control (QC) parameters such as associated laboratory control sample (LCS) recoveries, laboratory blank results, matrix spike/matrix spike duplicate recoveries, surrogate recoveries, detection limits, and holding times. A standard review does not include examination of the raw data or reconstruction of the analytical results. The significant findings (findings that resulted in qualification of data or otherwise affected data quality) were as follows:

- Trichloroethene was detected at 9.6 µg/L in the trip blank associated with soil samples collected from August 28 through August 31, 2006 and received at the laboratory on September 6, 2006. The positive results for trichloroethene that were within a factor of five (5x) of the blank concentration (adjusted for sample weight and percent moisture) were therefore qualified as non-detect (U) at the reported values due to the probability of external contamination. The detected concentrations were not considered to be native to the samples. One sample, 0607 (6-8), had a trichloroethene concentration greater than five times (5x) the amount found in the trip blank. That result was retained as reported and is considered a genuine detection.
- Acetone, methylene chloride, and bis(2-ethylhexyl)phthalate were detected in one or more of the method blanks associated with the project samples. Since these are considered common laboratory contaminants and are often present in blanks at varying concentrations, the highest concentration detected in any associated blank was used to compare to sample concentrations for the purposes of identifying possible instances of external contamination. Based on that comparison, the positive acetone result in sample IT-0601 (14-16), the positive bis(2-ethylhexyl)phthalate results in samples IT-0601 (14-16), IT-0604 (6-8), and IT-0605 (8-10), and the positive methylene chloride results in all samples except IT-0601 (14-16) were qualified as non-detect at the values reported.

  In addition, although the methylene chloride result for sample IT-0601 (14-16) and the acetone results for samples IT-0607 (6-8) and IT-0608 (8-10) were above the range normally attributable to external contamination (ten times the highest associated blank), it is possible that these concentrations were introduced from a source not related to the project site as well.
- The non-detect results for acenaphthene in samples IT-0601 (14-16), IT-0602 (18-20), and IT-0603 (8-10) were qualified as estimated (UJ) due to a low recovery in the associated LCS.
- The non-detect results for 2-chlorophenol in the soil samples collected from August 28 through August 31, 2006 were qualified as estimated (UJ) due to a low recovery in the associated LCS.
- The non-detect results for chlorobenzene and toluene in sample IT-0601 (14-16) were qualified as estimated (UJ) due to low recoveries in the matrix spike and/or matrix spike duplicate performed on the sample.

No other significant findings were identified. The laboratory results are summarized in Tables 2-1 and 2-2. All data are considered usable.

Table 2-1
Analytical Data Summary - Soil Samples, August 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	Units	IT-0601 (14-16) 8/24/2006	IT-0602 (18-20) 8/25/2006	IT-0603 (8-10) 8/25/2006	IT-0604 (6-8) 8/28/2006	IT-0605 (8-10) 8/28/2006	IT-0606 (6-8) 8/28/2006	IT-0607 (6-8) 8/29/2006
VOCs	1,1,1-Trichloroethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,1,2,2-Tetrachloroethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,1,2-Trichloroethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,1-Dichloroethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,1-Dichloroethene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,2-Dichloroethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	1,2-Dichloropropane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	2-Butanone (MEK)	µg/Kg	55 U	54 U	56 U	58 U	54 U	60 U	64 U
	2-Hexanone	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	4-Methyl-2-Pentanone (MIBK)	µg/Kg	55 U	54 U	56 U	58 U	54 U	60 U	64 U
	Acetone	µg/Kg	112 U	110 U	110 U	120 U	110 U	120 U	243
	Benzene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Bromodichloromethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Bromoform	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Bromomethane	µg/Kg	11 U	11 U	11 U	12 U	11 U	12 U	13 U
	Carbon Disulfide	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Carbon Tetrachloride	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Chlorobenzene	µg/Kg	5.5 UJ	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Chloroethane	µg/Kg	11 U	11 U	11 U	12 U	11 U	12 U	13 U
	Chloroform	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Chloromethane	µg/Kg	11 U	11 U	11 U	12 U	11 U	12 U	13 U
	cis-1,2-Dichloroethene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	cis-1,3-Dichloropropene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Dibromochloromethane	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Ethyl Benzene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	m,p-Xylene	µg/Kg	11 U	11 U	11 U	12 U	11 U	12 U	13 U
	Methylene Chloride	µg/Kg	177	50.5 U	138 U	76.6 U	75.4 U	80.1 U	126 U
	o-Xylene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Styrene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Tetrachloroethene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Toluene	µg/Kg	5.6 UJ	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	trans-1,2-Dichloroethene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	trans-1,3-Dichloropropene	µg/Kg	5.5 U	5.4 U	5.6 U	5.8 U	5.4 U	6 U	6.4 U
	Trichloroethene	µg/Kg	5.5 U	5.4 U	5.6 U	50.3 U	27.4 U	6 U	86.6
	Vinyl Acetate	µg/Kg	55 U	54 U	56 U	58 U	54 U	60 U	64 U
	Vinyl Chloride	µg/Kg	11 U	11 U	11 U	12 U	11 U	12 U	13 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because quality control criteria were not met.

Table 2-1
Analytical Data Summary - Soil Samples, August 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	IT-0608 (8-10) 8/29/2006	IT-0609 (8-10) 8/30/2006	IT-0610 (8-10) 8/30/2006	IT-0611 (10-12) 8/30/2006	IT-0612 (14-16) 8/31/2006	IT-0613 (8-10) 8/31/2006	IT-0614 (10-12) 8/31/2006	IT-0615 (10-12) 8/31/2006
VOCs	1,1,1-Trichloroethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,1,2,2-Tetrachloroethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,1,2-Trichloroethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,1-Dichloroethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,1-Dichloroethene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,2-Dichloroethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	1,2-Dichloropropane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	2-Butanone (MEK)	56 U	58 U	59 U	55 U	55 U	55 U	64 U	58 U
	2-Hexanone	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	4-Methyl-2-Pentanone (MIBK)	56 U	58 U	59 U	55 U	55 U	55 U	64 U	58 U
	Acetone	211	120 U	120 U	110 U	110 U	110 U	130 U	120 U
	Benzene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Bromodichloromethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Bromoform	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Bromomethane	11 U	12 U	12 U	11 U	11 U	11 U	13 U	12 U
	Carbon Disulfide	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Carbon Tetrachloride	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Chlorobenzene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Chloroethane	11 U	12 U	12 U	11 U	11 U	11 U	13 U	12 U
	Chloroform	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Chloromethane	11 U	12 U	12 U	11 U	11 U	11 U	13 U	12 U
	cis-1,2-Dichloroethene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	cis-1,3-Dichloropropene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Dibromochloromethane	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Ethyl Benzene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	m,p-Xylene	11 U	12 U	12 U	11 U	11 U	11 U	13 U	12 U
	Methylene Chloride	77 U	68.8 U	53.7 U	68.3 U	51.6 U	70.6 U	46.7 U	87.6 U
	o-Xylene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Styrene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Tetrachloroethene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Toluene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	trans-1,2-Dichloroethene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	trans-1,3-Dichloropropene	5.6 U	5.8 U	5.9 U	5.5 U	5.5 U	5.5 U	6.4 U	5.8 U
	Trichloroethene	5.6 U	10.9 U	5.9 U	38.8 U	29.6 U	28.4 U	25.5 U	7.42 U
	Vinyl Acetate	56 U	58 U	59 U	55 U	55 U	55 U	64 U	58 U
	Vinyl Chloride	11 U	12 U	12 U	11 U	11 U	11 U	13 U	12 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because quality control criteria were not met.

Table 2-1
Analytical Data Summary - Soil Samples, August 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	Units	TB0825 Trip Blank	TB0905 Trip Blank
VOCs	1,1,1-Trichloroethane	µg/L	5 U	5 U
	1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U
	1,1,2-Trichloroethane	µg/L	5 U	5 U
	1,1-Dichloroethane	µg/L	5 U	5 U
	1,1-Dichloroethene	µg/L	5 U	5 U
	1,2-Dichloroethane	µg/L	5 U	5 U
	1,2-Dichloropropane	µg/L	5 U	5 U
	2-Butanone (MEK)	µg/L	50 U	50 U
	2-Hexanone	µg/L	5 U	5 U
	4-Methyl-2-Pentanone (MIBK)	µg/L	50 U	50 U
	Acetone	µg/L	100 U	100 U
	Benzene	µg/L	5 U	5 U
	Bromodichloromethane	µg/L	5 U	5 U
	Bromoform	µg/L	5 U	5 U
	Bromomethane	µg/L	10 U	10 U
	Carbon Disulfide	µg/L	5 U	5 U
	Carbon Tetrachloride	µg/L	5 U	5 U
	Chlorobenzene	µg/L	5 U	5 U
	Chloroethane	µg/L	10 U	10 U
	Chloroform	µg/L	5 U	5 U
	Chloromethane	µg/L	10 U	10 U
	cis-1,2-Dichloroethene	µg/L	5 U	5 U
	cis-1,3-Dichloropropene	µg/L	5 U	5 U
	Dibromochloromethane	µg/L	5 U	5 U
	Ethyl Benzene	µg/L	5 U	5 U
	m,p-Xylene	µg/L	10 U	10 U
	Methylene Chloride	µg/L	10 U	10 U
	o-Xylene	µg/L	5 U	5 U
	Styrene	µg/L	5 U	5 U
	Tetrachloroethene	µg/L	5 U	5 U
	Toluene	µg/L	5 U	5 U
	trans-1,2-Dichloroethene	µg/L	5 U	5 U
	trans-1,3-Dichloropropene	µg/L	5 U	5 U
	Trichloroethene	µg/L	5 U	9.6
	Vinyl Acetate	µg/L	50 U	50 U
	Vinyl Chloride	µg/L	10 U	10 U

Table 2-1
Analytical Data Summary - Soil Samples, August 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	Units	IT-0601 (14-16) 8/24/2006	IT-0602 (18-20) 8/25/2006	IT-0603 (8-10) 8/25/2006	IT-0604 (6-8) 8/28/2006	IT-0605 (8-10) 8/28/2006	IT-0606 (6-8) 8/28/2006	IT-0607 (6-8) 8/29/2006
SVOCs	1,2,4-Trichlorobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	1,2-Dichlorobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	1,3-Dichlorobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	1,4-Dichlorobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,4,5-Trichlorophenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,4,6-Trichlorophenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,4-Dichlorophenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,4-Dimethylphenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,4-Dinitrophenol	µg/Kg	1800 U	1900 U	1900 U	2000 U	2000 U	2000 U	2100 U
	2,4-Dinitrotoluene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2,6-Dinitrotoluene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2-Chloronaphthalene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2-Chlorophenol	µg/Kg	360 U	380 U	380 U	410 UJ	400 UJ	410 UJ	430 UJ
	2-Methylnaphthalene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2-Methylphenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2-Nitroaniline	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	2-Nitrophenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	3&4-Methylphenol	µg/Kg	720 U	760 U	760 U	820 U	800 U	820 U	860 U
	3,3'-Dichlorobenzidine	µg/Kg	720 U	760 U	760 U	820 U	800 U	820 U	860 U
	3-Nitroaniline	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	4,6-Dinitro-2-Methylphenol	µg/Kg	1800 U	1900 U	1900 U	2000 U	2000 U	2000 U	2100 U
	4-Bromophenyl-phenylether	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	4-Chloro-3-Methylphenol	µg/Kg	1800 U	1900 U	1900 U	2000 U	2000 U	2000 U	2100 U
	4-Chloroaniline	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	4-Chlorophenyl-phenylether	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	4-Nitroaniline	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	4-Nitrophenol	µg/Kg	1800 U	1900 U	1900 U	2000 U	2000 U	2000 U	2100 U
	Acenaphthene	µg/Kg	360 UJ	380 UJ	380 UJ	410 U	400 U	410 U	430 U
	Acenaphthylene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Anthracene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzo(a)anthracene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzo(a)pyrene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzo(b)fluoranthene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzo(g,h,i)perylene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzo(k)fluoranthene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Benzoic Acid	µg/Kg	720 U	760 U	760 U	820 U	800 U	820 U	860 U
	Benzyl Alcohol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	bis(2-Chloroethoxy)methane	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	bis(2-Chloroethyl)ether	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	bis(2-Chloroisopropyl)ether	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	bis(2-Ethylhexyl)phthalate	µg/Kg	1130 U	380 U	380 U	1030 U	1260 U	410 U	430 U
	Butylbenzylphthalate	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Chrysene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Dibenz(a,h)anthracene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Dibenzofuran	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Diethylphthalate	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Dimethylphthalate	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Di-n-butylphthalate	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Di-n-octylphthalate	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Fluoranthene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Fluorene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Hexachlorobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Hexachlorobutadiene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Hexachlorocyclopentadiene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Hexachloroethane	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Indeno(1,2,3-cd)pyrene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Isophorone	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Naphthalene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Nitrobenzene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	N-Nitrosodi-n-propylamine	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	N-Nitrosodiphenylamine	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Pentachlorophenol	µg/Kg	1800 U	1900 U	1900 U	2000 U	2000 U	2000 U	2100 U
	Phenanthrene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Phenol	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Pyrene	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Pyridine	µg/Kg	360 U	380 U	380 U	410 U	400 U	410 U	430 U
	Total Solids	%	89.7	87.5	87.4	80.4	82.3	80.6	76.6

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J = Estimated concentration because quality control criteria were not met.

Table 2-1
Analytical Data Summary - Soil Samples, August 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	IT-0608 (8-10) 8/29/2006	IT-0609 (8-10) 8/30/2006	IT-0610 (8-10) 8/30/2006	IT-0611 (10-12) 8/30/2006	IT-0612 (14-16) 8/31/2006	IT-0613 (8-10) 8/31/2006	IT-0614 (10-12) 8/31/2006	IT-0615 (10-12) 8/31/2006
SVOCs	1,2,4-Trichlorobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	1,2-Dichlorobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	1,3-Dichlorobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	1,4-Dichlorobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,4,5-Trichlorophenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,4,6-Trichlorophenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,4-Dichlorophenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,4-Dimethylphenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,4-Dinitrophenol	1900 U	2000 U	1900 U	1900 U	1900 U	2000 U	2300 U	1900 U
	2,4-Dinitrotoluene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2,6-Dinitrotoluene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2-Chloronaphthalene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2-Chlorophenol	390 UJ	410 UJ	380 UJ	380 UJ	380 UJ	400 UJ	460 UJ	380 UJ
	2-Methylnaphthalene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2-Methylphenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2-Nitroaniline	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	2-Nitrophenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	3&4-Methylphenol	770 U	820 U	770 U	760 U	770 U	800 U	930 U	770 U
	3,3'-Dichlorobenzidine	770 U	820 U	770 U	760 U	770 U	800 U	930 U	770 U
	3-Nitroaniline	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	4,6-Dinitro-2-Methylphenol	1900 U	2000 U	1900 U	1900 U	1900 U	2000 U	2300 U	1900 U
	4-Bromophenyl-phenylether	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	4-Chloro-3-Methylphenol	1900 U	2000 U	1900 U	1900 U	1900 U	2000 U	2300 U	1900 U
	4-Chloroaniline	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	4-Chlorophenyl-phenylether	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	4-Nitroaniline	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	4-Nitrophenol	1900 U	2000 U	1900 U	1900 U	1900 U	2000 U	2300 U	1900 U
	Acenaphthene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Acenaphthylene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Anthracene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzo(a)anthracene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzo(a)pyrene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzo(b)fluoranthene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzo(g,h,i)perylene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzo(k)fluoranthene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Benzoic Acid	770 U	820 U	770 U	760 U	770 U	800 U	930 U	770 U
	Benzyl Alcohol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	bis(2-Chloroethoxy)methane	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	bis(2-Chloroethyl)ether	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	bis(2-Chloroisopropyl)ether	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	bis(2-Ethylhexyl)phthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Butylbenzylphthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Chrysene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Dibenz(a,h)anthracene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Dibenzofuran	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Diethylphthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Dimethylphthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Di-n-butylphthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Di-n-octylphthalate	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Fluoranthene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Fluorene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Hexachlorobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Hexachlorobutadiene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Hexachlorocyclopentadiene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Hexachloroethane	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Indeno(1,2,3-cd)pyrene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Isophorone	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Naphthalene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Nitrobenzene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	N-Nitrosodi-n-propylamine	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	N-Nitrosodiphenylamine	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Pentachlorophenol	1900 U	2000 U	1900 U	1900 U	1900 U	2000 U	2300 U	1900 U
	Phenanthrene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Phenol	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Pyrene	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Pyridine	390 U	410 U	380 U	380 U	380 U	400 U	460 U	380 U
	Total Solids	85.9	81.2	84.5	86.4	85.9	81.4	70.8	84.4

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because quality control criteria were not met.

Table 2-2
Analytical Data Summary - Groundwater Samples, Sept 2006
Detrex Corporation
Ashtabula, Ohio

	Parameter	Units	IT-0601 9/22/2006	IT-0603 9/22/2006	IT-0605 9/22/2006	IT-0607 9/22/2006	IT-0609 9/19/2006	IT-0611 9/22/2006	IT-0613 9/19/2006	IT-0615 9/19/2006
VOCs	1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	2-Butanone (MEK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	2-Hexanone	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	4-Methyl-2-Pentanone (MIBK)	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	Acetone	µg/L	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
	Benzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Bromomethane	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Carbon Disulfide	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Carbon Tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Chloroethane	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Chloroform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Chloromethane	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Ethyl Benzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	m,p-Xylene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Methylene Chloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	o-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Styrene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Toluene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	trans-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	trans-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Trichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Vinyl Acetate	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	Vinyl Chloride	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.